

10/534015

JC20 Rec'd PCT/PTO 05 MAY 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Kensuke NAGASHIMA et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2005\_0757A  
Filed May 5, 2005 :

PROCESS FOR PRODUCING QUINOLINECARBALDEHYDE  
[Corresponding to PCT/JP2003/014134  
Filed November 6, 2003]

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☒ each reference previously cited in the international application PCT/JP2003/014134; and/or
- ☐ each reference previously cited in prior parent application Serial No. \_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, **or**  
(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and  
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or  
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

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4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☐ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Kensuke NAGASHIMA et al.

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May 5, 2005

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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: May 5, 2005

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APPLICANT  
Kensuke NAGASHIMA et al.FILING DATE  
May 5, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AB	535548	4/1993	EP			
	AC	304063	2/1989	EP			
	AD	8-27114	1/1996	JP			
	AE	01/60800	8/2001	WO			
	AF	94/06746	5/1994	WO			
	AG	5-222086	8/1993	JP			

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AH	T. Hosokawa et al., "Palladium (II)-Catalyzed Acetalization of Terminal Olefins Bearing Electron-Withdrawing Substituents with Optically Active Diols", Journal of Organic Chemistry, Vol. 52, No. 9, pp. 1758-1764, 1987.
AI	T. Hosokawa et al., "Catalysis of Pd(II)-Catalyzed Acetalization of Alkenes with Diols", Bulletin of the Chemical Society of Japan, Vol. 63, No. 1, pp. 166-169, 1990.
AJ	T. Bertrand et al., "Reactive Des Derives De Cyclopropylidene-3 Propyle-I Synthèse D'Alcools $\beta$ -Cyclopropylideniques", Tetrahedron, Vol. 37, No. 9, pp. 1703-1710, 1981.
AK	A. P. Kozikowski et al., "A Nitrile Oxide Based Entry to 2,3-Dihydropyran-4-ones. Synthesis of a Protected Version 'Compactin Lactone' in Racemic and Optically Active Forms", Journal of Organic Chemistry, Vol. 50, No. 6, pp. 778-785, 1985.
AL	A. G. Ismailov et al., "Synthesis and Reaction of Cyclopentyl $\beta$ -Chlorovinyl Ketone", Azerbaidzhanskii Khimicheskii Zhurnal, Vol. 1, pp. 38-43, 1975.
AM	M. M. Guseinov et al., "Synthesis of Cyclohexyl $\beta$ , $\beta$ -Dialkoxyethyl and $\beta$ -Alkoxyvinyl Ketones", Azerbaidzhanskii Khimicheskii Zhurnal, Vol. 2, pp. 55-59, 1967.
AN	

EXAMINER

DATE CONSIDERED